Original/Duplicate/Triplicate

CONTRACT CERTIFICATE SBRNO:16/31.5.2019

(For Other Works)

No. Final Bill

Date.....2018

Zone:**BBMP,Yelahanka** Division:**BBMP, Byatarayanapura** Sub-Division:**BBMP, Kodigehalli**

Bill Received No. Dated Divisional / Sub-Divisional

Cash Book Voucher No.....Dated.....

Job Code: 007-16-000026

Schedule Docket No. Head of Account: P1802 Est.Cost: Rs.5.00 Lakhs D.R.NO.:

Name of Work : Drilling new Borewell providing and fixing pump motor with electrification at Shanimahatma Temple Hebbal in Ward No 07, Kodigehalli Sub Division

Name of Contractor and Full Address: R.S.Tyagaraj, #15, Ramachandrapura, Jalahalli (P), Bangalore-13

Reference to Agreement No. BBMP/EE/BTP/WO/228/2016-17 Date: 15.03.2017

Certified that the measurements were taken by me on: 09-05-19 and recorded of Pages **424261** to **424263** of measurement Book No. **4243/2017-18** and that work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that measurement were taken by me on 9/5/2018 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Accont have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

1) Total value of work done or supplies made as per account within		
2) Deduct amount to be held in reserve being.....Percent Rs.....		
3) " Balance		
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No..... adjusted towards cash advance recovery of	Amount	1,07,763-00
b) Payments cost store or other material supplied.	IT	1078-00
Now made recovery of amount creditable to this /other work	Cess	1078-00
Amount paid on this bill Cheque/Cash.	CBT	108-00
	CGST	962-00
	SGST	962-00
	Fine	3000-00
5) Balance being unpaid value of work done held in reserve.	Adj	7188-00
6) Deduct cash advance made on the Office cash Book Voucher No..... dated .....less adjustments.		
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within		
9) Value of Government materials supplied.	Total amount adjusted	1,00,575-00

Contractor's Signature

Received Rs.....(in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

(For use in the Office)

Witness

1

2

Dated Signature of Contractor

Stamp

Paid by me by Cheque No.....Dated.....

Cash Rs.....ಮೊಬಲಗು ರೂ 1,07,763-00

Dated.....

Initials of Officer making payment ಕಡಿತ ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 7,188-00

ಸ್ವೀಕಾರಕ್ಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 1,00,575-00

Rs One Lakh five hundred seventy five only

ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

ಲೆಕ್ಕಾಧಿಕಾರಿಯವರು

ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ

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ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ

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Executive Engineer

Sl. No.	Items grouped under sub-Heads and Sub-Works of the Estimate Description	Unit
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality, quantity and acceptability of the users indicating the location of site, recommended depth of casing pipe required an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction	Each
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) 0 to 50 m	Rmtr
3	50 to 100 m	Rmtr
4	100 to 150 m	Rmtr
5	150 to 200 m	Rmtr
6	200 to 250 m	Rmtr
7	Supply of ISI mark 175 mm nominal bore, plain end steel casing pipe grade of steel fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. Both ends threaded confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10 Kg/mtr.(Inclusive of all taxes and durties). Prices include collar-medium duty.	Rmtr
8	Providing 200mm dia PVC Pipe10kg/cm2	Rmtr
9	Providing and supllying 175mm dia M.S.Cap etc., complete as per specifications and direction of the Engineer--in-charge	Nos
10	Supplying and delivery of sub mersible pumpset suitable for borewell of 165mm dia with specified duty conditions as detailed below and satisfied in BIS with ISI mark with a minimum efficeiency of 42% pump shall confirm to IS 8034/2002 and motor confirming to IS 9283/1995 with ISI certification with latest amendemnets for the following, 10 HP 20 stage sub mersible pumpset	Nos
11	Providing and fixing in galvanised mild steel tubes (Heavy class as per IS 1239 Part-1990) 50mm dia nominal bore with all fittings including cost of all materials labour charges HOM of euipment and testing complete as per specification	Mtr
12	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 49/ I No. 29-c(1) 2.5 Sqm mm of 36 strands 0.3mm dia Group - A	Nos
13	Erection of single phase preventor ammeters/including fixing selctor switch/current operated earth leakage circuit breakers voltage operated circuit breaker above 100A fuse channel set (3 Nos) HRC fuses above 100A (3 Nos) including transportation charges from stores to spot	Nos
14	Supply heavy duty galvanized mild steel color suitable for 50mm dia nominal bore galvanized mild steel	Nos
15	Supply of non return valve suitable for 50mm dia nominal bore galvanized mild steel tube	Nos
16	Supplying of on load charges over switches 4 poles 415V, 5hr ac supply 100-125 amps group A	Nos
17	Supply and fully automatic star delta uint push button type with suitable wires, 3 conatactor one adjustable thermal timer mounted on a common base late held in steel enclosure for use on 440/440 volts 3 phase and wired after to the existing wooden board for motor 12.5 HP	Nos

Previous Measurement		Present Measurement			Total Upto Date	
Qty	Rate Rs. P.	Qty	Rate Rs. P.	Amount	Qty	Cost
-	-	1.00	1841.53	1841.53	1.00	1841.53
-	-	50.00	299.42	14971.00	50.00	14971.00
-	-	50.00	391.4	19570.00	50.00	19570.00
-	-	50.00	435.43	21771.50	50.00	21771.50
-	-	50.00	459.89	22994.50	50.00	22994.50
-	-	50.00	532.3	26615.00	50.00	26615.00
-	-	0.00	1258.75	0.00	0.00	0.00
-	-	0.00	1635	0	0.00	0.00
-	-	0.00	95	0.00	0.00	0.00
-	-	0.00	47595	0.00	0.00	0.00
-	-	0.00	517.1	0.00	0.00	0.00
-	-	0.00	179.26	0.00	0.00	0.00
-	-	0.00	2850	0.00	0.00	0.00
-	-	0.00	123.5	0.00	0.00	0.00
-	-	0.00	1528.75	0.00	0.00	0.00
-	-	0.00	9352.75	0	0.00	0.00
-	-	0.00	5381.75	0	0.00	0.00

18	Erection of single phase preventor ammeters/including fixing selctor switch/current operated earth leakage circuit breakers voltage operated circuit breaker above 100A fuse channel set (3 Nos) HRC fuses above 100A (3 Nos) including transportation charges from stores to spot	Nos
19	Fabricating, supplying and mounting 1200x900x350 mm MS box of 18 SWG suitable for floor /wall mounting, fully weather proof with double stanted top as per drawing with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with approved colour enamelled metal paint etc., complete box of 36200 sqcm @ Rs.0.20 18 SWG	Nos
20	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materials and wiring complete as requireds32 to 63 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications	Nos
21	Supplying and running of GI copper strips or grounding connections using necessary fixing materials required 600x600x3mm GI plate	Nos
22	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete....	Nos
23	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33 16SWG	sqcm
24	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset.	Nos
25	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Each
26	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class. 4 core 16 Sqmm	Rmtr
27	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, P No. 69 / I No. Ia In existing trencg/duct 6Sqmm to 16 Sqmm)	Rmtr
28	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete	Rmtr
29	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm dia GI Pipe	Rmtr
30	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., 16 Sqmm	Nos
31	KSRB 2.6 : Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with lead upto 50m. and lift upto 1.5m complete as per specifications.	cmt
32	KSRB 4 - 1.6 : Providing and laying in position plain cement concrete of mix M 15 with cement @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications.	Cmtr
34	Bescom deposits and other service charges	
	Total	

CRTIFICATE:

1. Certified that the above work done satisfactory and no materials issued from Department

AE(NZ)

-	-	0.00	1425	0	0.00	0.00
-	-	0.00	7472.7	0	0.00	0.00
-	-	0.00	1985.5	0	0.00	0.00
-	-	0.00	1018.4	0	0.00	0.00
-	-	0.00	394.25	0	0.00	0.00
-	-	0.00	0.31	0	0.00	0.00
-	-	0.00	9500	0.00	0.00	0.00
-	-	0.00	2041.2	0	0.00	0.00
-	-	0.00	142.5	0.00	0.00	0.00
-	-	0.00	7.6	0.00	0.00	0.00
-	-	0.00	57	0	0.00	0.00
-	-	0.00	228	0	0.00	0.00
-	-	0.00	247	0	0.00	0.00
-	-	0.00	2184.35	0.00	0.00	0.00
-	-	0.00	5216.18	0	0.00	0.00
						0.00
				107763.53		**107763.53**